

1. A lithographic projection apparatus comprising:

- a radiation system to supply a projection beam of radiation;
- a support structure to support patterning structure, the patterning structure serving to pattern the projection beam according to a desired pattern;
- a substrate table to hold a substrate; and
- a projection system to project the patterned beam onto a target portion of the substrate,

2. An apparatus according to claim 1, wherein said radiation system is adapted to produce a projection beam of extreme ultraviolet radiation having a wavelength of less than 50nm.

3. An apparatus according to claim 2, wherein said beam of extreme ultraviolet radiation has a wavelength in the range of from 8 to 20 nm.

4. An apparatus according to claim 3, wherein said beam of extreme ultraviolet radiation has a wavelength in the range of from 9 to 16 nm.

5. An apparatus according to claim 1, wherein said inert gas is helium, argon or nitrogen, or a mixture thereof.

6. An apparatus according to claim 1, wherein the pressure in said at least one space is from 1 to 5 Pa.

7 An apparatus according to claim 6, wherein the pressure in said at least one space is
from 2 to 3 Pa.

8. A method of manufacturing a device using a lithographic projection apparatus comprising:

090445Z FEB 68 000000Z

~~Sub
A3
patte~~

Sub
A4 from

projecting a patterned beam of radiation onto a target portion of a layer of radiation-sensitive material on a substrate; and

supplying an inert gas to at least one space selected from the group comprising a space containing at least a part of said radiation system and a space containing at least a part of said projection system, wherein the pressure in said at least one space is from 0.1 to 10 Pa.

9. A device manufactured in accordance with the method of claim 8.

Concl
Sub A4

09042952.083101

ADD A4